

Amendments to the Specification

Please amend paragraphs 16 and 20 as provided below (material to be inserted is in underline and material to be deleted is in ~~strikeout~~).

On page 4, amend paragraphs [0016] and [0020] as follows:

[0016] Referring initially to Figs. 1 and 2, an embodiment of a position/motion sensor is indicated at 10. Sensor 10 includes a housing 12, a cylindrical contact roller 14 that freely moves within housing 12 and a plate 16 that keeps roller 14 from falling out of housing 12. Sensor 10 also includes a circuit board 18 that may be coupled with plate 16. Pairs of contact strips 20 may be included with circuit board 18 and extend into housing 12 along an annular track 22, and roller 14 rolls within track 22 to make contact with various pairs of strips 20.

[0020] Roller 14 preferably rolls freely within housing 12 along annular track 22, to complete various electrical circuits in particular positions within annular track 22 by electrically coupling pairs of contact strips 20. Only a single digital output is possible with the embodiment shown in Figs. 1 and 2, because pairs of contact strips 20 are electrically coupled to common wires 44 and 46. This embodiment may be used to sense motion as completion of an electric circuit by roller 14, but it does not provide any output corresponding to the location of roller 14 within housing 12 other than an indication that roller 14 is in contact with one pair of contact strips 20.